<u>IN THE CLAIMS</u>

Please amend Claims 20, 22, 23, 25, 28, 29, 35, 40, 50, 53, 57, 60, 63 and 66, and add

Claims 69 - 73 as follows.

1-19. (Canceled)

20. (Currently Amended) A printing system in which an image sensing apparatus and a

printing apparatus directly communicate with each other, and said printing apparatus prints an

image transmitted from the image sensing apparatus,

wherein said image sensing apparatus comprises:

a first reception unit configured to receive function information of the printing

apparatus from the printing apparatus, wherein the function information describes the kind of

feature amount data which the printing apparatus can use in correction processing for an image to

be printed;

an extraction unit configured to analyze image data of an image file to be printed and

extract from the image data a feature amount of the image data corresponding to the kind of

feature amount data described in the function information received by said first reception unit;

a generation unit configured to generate a data file which is a file independent from the

image file and describes the feature amount extracted by said extraction unit, where the kind of

the feature amount is determined in accordance with the function information received by said

first reception unit; and

a first transmission unit configured to transmit files of the data file generated by said

generation unit and the image file to said printing apparatus;

said printing apparatus comprises:

a second transmission unit configured to transmit the function information of said printing apparatus from said printing apparatus to said image sensing apparatus;

a second reception unit configured to receive the files of the data file and the image file transmitted by said first transmission unit;

a correction unit configured to correct image data of the image file received by said first reception unit on the basis of the received data file; and

a printing unit configured to print an image in accordance with the image data corrected by said correction unit,

wherein the data file is transmitted from said image sensing apparatus to said printing apparatus before the image file is transmitted from said image sensing apparatus to said printing apparatus.

21. (Canceled)

22. (Currently Amended) The system according to claim [[21]] 20, wherein said image sensing apparatus further comprises a designation unit configured to designate an image to be transmitted to said printing apparatus,

wherein said extraction unit extracts the feature amount from the image designated by said designation unit.

23. (Currently Amended) The system according to claim [[21]] 20, wherein said extraction unit generates a histogram of brightness, saturation, or hue as the feature amount.

24. (Previously Presented) The system according to claim 20, wherein said printing apparatus determines a parameter for correction in accordance with the data file and corrects the received image using the determined parameter.

25. (Currently Amended) An image sensing apparatus which can communicate with a printing apparatus, said image sensing apparatus comprising:

a reception unit configured to receive function information of the printing apparatus from the printing apparatus, wherein the function information describes the kind of feature amount data which the printing apparatus can use in correction processing for an image to be printed;

an extraction unit configured to analyze image data of an image file to be printed and extract from the image data a feature amount of the image data corresponding to the kind of feature amount data described in the function information received by said reception unit;

a generation unit configured to generate a data file which is a file independent from the image file and describes the feature amount extracted by said extraction unit, where the kind of the feature amount is determined in accordance with the function information received by said reception unit; and

a transmission unit configured to transmit files of the data file and the image file to said printing apparatus,

wherein the data file is transmitted from said image sensing apparatus to said printing apparatus before the image file is transmitted from said image sensing apparatus to said printing apparatus.

26. (Previously Presented) The image sensing apparatus according to claim 25, further comprising a designation unit configured to designate an image to be transmitted to said printing apparatus,

wherein said transmission unit transmits the data file to said printing apparatus before the image designated by said designation unit is transmitted to said printing apparatus.

27. (Canceled)

28. (Currently Amended) The image sensing apparatus according to claim [[27]] 25, further comprising a designation unit configured to designate an image to be transmitted to said printing apparatus,

wherein said extraction unit extracts the feature amount from the image designated by said designation unit.

29. (Currently Amended) The image sensing apparatus according to claim 25 27, wherein said extraction unit generates a histogram of brightness, saturation, or hue as the feature amount.

30-34. (Canceled)

35. (Currently Amended) A method of controlling an image sensing apparatus and a printing apparatus which directly communicate with each other, and said printing apparatus prints an image transmitted from the image sensing apparatus, comprising:

a first reception step of receiving function information of the printing apparatus from the printing apparatus, wherein the function information describes the kind of feature amount data which the printing apparatus can use in correction processing for an image to be printed;

an extraction step of analyzing image data of an image file to be printed and extracting from the image data a feature amount ~~of the image data~~ corresponding to the kind of feature amount data described in the function information received by said first reception step;

a generation step of generating a data file which is a file independent from the image file and describes the feature amount extracted by said extraction step, where the kind of the feature amount is determined in accordance with the function information received by said first reception step; and

a first transmission step of transmitting files of the data file generated by said generation step and the image file to said printing apparatus;

a second transmission step of transmitting the function information of said printing apparatus from said printing apparatus to said image sensing apparatus;

a second reception step of receiving the files of the data file and the image file transmitted by said first transmission step;

a correction step of correcting image data of the image file received by said first reception step on the basis of the received data file; and

a printing step of printing an image in accordance with the image data corrected by said correction step,

wherein the data file is transmitted from said image sensing apparatus to said printing apparatus before the image file is transmitted from said image sensing apparatus to said printing apparatus.

36. (Canceled)

37. (Previously Presented) The method according to claim 35, wherein said image sensing apparatus further comprises a designation step of designating an image to be transmitted to said printing apparatus,

wherein said extraction unit extracts the feature amount from the image designated by said designation unit.

38. (Previously Presented) The method according to claim 35, wherein said extraction step generates a histogram of brightness, saturation, or hue as the feature amount.

39. (Previously Presented) The method according to claim 35, wherein the correction step determines a parameter in accordance with the data file and corrects the received image using the determined parameter.

40. (Currently Amended) A method whereby an image sensing apparatus communicates with a printing apparatus, comprising:

a reception step of receiving function information of the printing apparatus from the printing apparatus, wherein the function information describes the kind of feature amount data which the printing apparatus can use in correction processing for an image to be printed;

an extraction step of analyzing image data of an image file to be printed and extracting from the image data a feature amount of the image data corresponding to the kind of feature amount data described in the function information received by said reception step;

a generation step of generating a data file which is a file independent from the image file and describes the feature amount extracted by said extraction step, where the kind of the feature amount is determined in accordance with function information received by said reception step; and

a transmission step of transmitting files of the data file and the image file to said printing apparatus,

wherein the data file is transmitted from said image sensing apparatus to said printing apparatus before the image file is transmitted from said image sensing apparatus to said printing apparatus.

41. (Previously Presented) The image sensing method according to claim 40, further comprising a designation step of designating an image to be transmitted to said printing apparatus,

wherein said transmission step transmits the data file to said printing apparatus before the image designated by said designation step is transmitted to said printing apparatus.

42. (Canceled)

43. (Previously Presented) The image sensing method according to claim 40, further comprising a designation step of designating an image to be transmitted to said printing apparatus,

wherein said extraction step extracts the feature amount from the image designated by said designation step.

44. (Previously Presented) The method according to claim 40, wherein said extraction step generates a histogram of brightness, saturation, or hue as the feature amount.

45-49. (Canceled)

50. (Currently Amended) A computer-readable medium encoded with a computer program communicating with a printing apparatus, for implementing a method, comprising:

a reception step of receiving function information of the printing apparatus from the printing apparatus, wherein the function information describes the kind of feature amount data which the printing apparatus can use in correction processing for an image to be printed;

an extraction step of analyzing image data of an image file to be printed and extract from the image data a feature amount of the image data corresponding to the kind of feature amount data described in the function information received by said reception step;

a generation step of generating a data file which is a file independent from the image file and describes the feature amount extracted by said extraction step, where the kind of the feature amount is determined in accordance with the function information received by said reception step; and

a transmission step of transmitting files of the data file and the image file to said printing apparatus,

wherein the data file is transmitted from said image sensing apparatus to said printing apparatus before the image file is transmitted from said image sensing apparatus to said printing apparatus.

51. (Canceled)

52. (Previously Presented) The printing system according to claim 20, wherein said printing apparatus further comprises:

a second extraction unit configured to analyze image data of the image file received by said second reception unit and extract a second feature amount of the image data; and

a second correcting unit configured to correct the image data of the image file received by said second reception unit using at least one of the feature amount described in the data file received from said image sensing apparatus by said second reception unit and the second feature amount extracted by said second extraction unit.

53. (Currently Amended) The printing system according to claim 20, wherein said image sensing apparatus further comprising a recording unit configured to record, as [[a]] the data file, information related to the feature amount extracted by said extraction unit into a storage medium which is used for storing image files.

54. (Previously Presented) The printing system according to claim 53, wherein said image sensing apparatus further comprises a job transmission unit configured to transmit a print job designating an image to be printed to said printing apparatus,

wherein the print job describes information of an image file to be printed and information related to the feature amount stored as the data file in the storage medium.

55. (Previously Presented) The printing system according to claim 54, wherein the print job describes information for specifying an image file to be printed and information for specifying the data file.

56. (Previously Presented) A method according to claim 35, further comprising:

a second extraction step of analyzing image data of the image file received by said second reception step and extracting a second feature amount of the image data; and

a second correcting step of correcting the image data of the image file received by said second reception step using at least one of the feature amount described in the data file received by said second reception step and the second feature amount extracted by said second extraction step.

57. (Currently Amended) A method according to claim 35, further comprising a recording step of recording, as [[a]] the data file, information related to the feature amount extracted by said extraction step into a storage medium which is used for storing image files.

58. (Previously Presented) A method according to claim 35, further comprising a job transmission step of transmitting a print job designating an image to be printed to said printing apparatus,

wherein the print job describes information of an image file to be printed and information related to the feature amount stored as a data file in the storage medium.

59. (Previously Presented) A method according to claim 35, wherein the print job describes information for specifying an image file to be printed and information for specifying the data file.

60. (Currently Amended) An apparatus according to claim 25, wherein said image sensing apparatus further comprises a recording unit configured to record, as [[a]] the data file, information related to the feature amount extracted by said extraction unit into a storage medium which is used for storing image files.

61. (Previously Presented) An apparatus according to claim 60, wherein said image sensing apparatus further comprises a job transmission unit configured to transmit a print job designating an image to be printed to said printing apparatus,

wherein the print job describes information of an image file to be printed and information related to the feature amount stored as a data file in the storage medium.

62. (Previously Presented) The printing system according to claim 61, wherein the print job describes information for specifying an image file to be printed and information for specifying the data file.

63. (Currently Amended) A method according to claim 40, further comprises a recording step of recording, as [[a]] the data file, information related to the feature amount extracted by said extraction step into a storage medium which is used for storing image files.

64. (Previously Presented) A method according to claim 63, further comprising a job transmission step of transmitting a print job designating an image to be printed to said printing apparatus,

wherein the print job describes information of an image file to be printed and information related to the feature amount stored as a data file in the storage medium.

65. (Previously Presented) A method according to claim 64, wherein the print job describes information for specifying an image file to be printed and information for specifying the data file.

66. (Currently Amended) A computer-readable medium according to claim 50, the implemented method further comprises a recording step of recording, as a the data file, information related to the feature amount extracted by said extraction step into a storage medium which is used for storing image files.

67. (Previously Presented) A computer-readable medium according to claim 66, wherein said implemented method further comprising a job transmission step transmitting a print job designating an image to be printed to said printing apparatus,

wherein the print job describes information of an image file to be printed and information related to the feature amount stored as a data file in the storage medium.

68. (Previously Presented) A computer-readable medium according to claim 67, wherein the print job describes information for specifying an image file to be printed and information for specifying the data file.

69. (New) The system according to claim 20,

wherein the function information describes a kind of histogram data which the printing apparatus can use in correction processing for an image to be printed,

wherein the extraction unit extract from image data of the image file to be printed the histogram data corresponding to the kind of histogram data described in the function information received from the printing apparatus, and

wherein the generation unit generates an feature amount data file describing the extracted histogram data.

70. (New) The image sensing apparatus according to claim 25,

wherein the function information describes a kind of histogram data which the printing apparatus can use in correction processing for an image to be printed,

wherein the extraction unit extracts from image data of the image file to be printed the histogram data corresponding to the kind of histogram data described in the function information received from the printing apparatus, and

wherein the generation unit generates a feature amount data file describing the extracted histogram data.

71. (New) The method according to claim 35,

wherein the function information describes a kind of histogram data which the printing apparatus can use in correction processing for an image to be printed,

wherein the extraction step extracts from image data of the image file to be printed the histogram data corresponding to the kind of histogram data described in the function information received from the printing apparatus, and

wherein the generation step generates a feature amount data file describing the extracted histogram data.

72. (New) The method according to claim 40,

wherein the function information describes a kind of histogram data which the printing apparatus can use in correction processing for an image to be printed,

wherein the extraction step extracts from image data of the image file to be printed the histogram data corresponding to the kind of histogram data described in the function information received from the printing apparatus, and

wherein the generation step generates a feature amount data file describing the extracted histogram data.

73. (New) The computer-readable medium according to claim 50,

wherein the function information describes a kind of histogram data which the printing apparatus can use in correction processing for an image to be printed,

wherein the extraction step extracts from image data of the image file to be printed the histogram data corresponding to the kind of histogram data described in the function information received from the printing apparatus, and

wherein the generation step generates an feature amount data file describing the extracted histogram data.